

GNC-0200 Version: 1

Gigabit Fiber PCIe Network Card, 1 x SC Multi-Mode Fiber, Low Profile Bracket included

The LevelOne Multimode Fiber Network Adapter GNC-0200 is a high performance PCI Express multifunction network adapter for either standard or low profile slots running over a fiber-optic network environment. Based on Intel 82575EB controller, it is a 1000Base-SX PCI Express x1 fiber nic for desktop use.

Key Features

- Host Interface standard support PCI Express 2.0a
- High performance, reliability, and low power use in Intel 82575EB dual integrated MAC + PHY / SERDES chip controller
- Independently Fiber Gigabit Ethernet channel/s support Gigabit Ethernet 1000Base-SX
- Ultra deep packet buffer per channel lowers CPU utilization
- Hardware acceleration that can offload tasks from the host processor. The controllers can offload TCP/UDP/IP checksum
- Calculations and TCP segmentation

Specifications

System Specifications

Standards & Protocols:

IEEE* 802.3 auto-negotiation
 IEEE 802.3ad (LACP), Generic Trunking (GEC / FEC)
 IEEE 802.1p layer 2 priority encoding
 IEEE 802.1q VLAN tagging
 IEEE 802.3x Flow Control (full-duplex flow control)

Connectors and Cabling:

850nm SC Multi-Mode Fiber
 PCI Express* 2.0 (2.5GT/s)

Wavelength(nm):

850

Indicator:

Link/Activity

Features

General:

single-port PCI-Express 1000BASE-SX/LX Ethernet adapter

High-performing design supporting PCI Express* Gen 2.1 2.5GT/s

High performance, reliability, and low power use in Intel 82575EB dual integrated MAC + PHY/SERDES chip controller

Independently Fiber Gigabit Ethernet channel/s support Gigabit Ethernet 1000Base-SX

Ultra deep packet buffer per channel lowers CPU utilization

Hardware acceleration can offload tasks from the host processor. The controllers can offload TCP/UDP/IP checksum calculations and TCP segmentation

Management:

PXE Remote boot, WOL

Performance

Data Transfer Rate:

1000 Mbps

Jumbo Frame (K):

16k

Environment

Temperature (°C):

Operating: 0 °C~55 °C (32 °F~131 °F)

Storage: -40 °C~70 °C (-40 °F~158 °F)

Humidity (Non-condensing):

Operating: 5% ~ 95%

Storage: 5% ~ 95%

Physical Specifications

Dimensions (W x D x H mm):

115*68*17mm

Weight (g):

67

Others

Operation Systems:

Windows 2000

Windows XP

Windows Vista 32bit (64bit)

Windows 7 32bit (64bit)

Windows 8 32bit (64bit)

Windows Server 2003 32bit (64bit)

Windows Server 2008 32bit (64bit)

Windows Server 2008 R2 32bit (64bit)

Windows Server 2012 R2 32bit (64bit)

Novell Netware 5.x,6.x

Linux kernel version 2.6.30

FreeBSD 7.x or higher

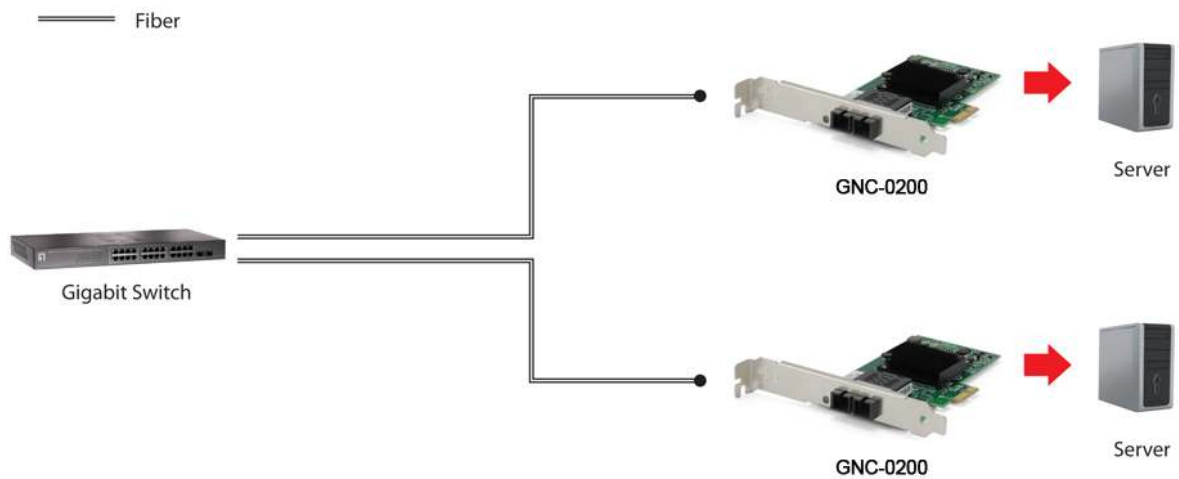
DOS

Sun Solaris x86

OS Independent

VMware ESX

Diagram



Order Information

GNC-0200

Package Contents

GNC-0200
Low Profile Bracket
Quick Installation Guide
Resource CD (User Manual, Driver)